ITT

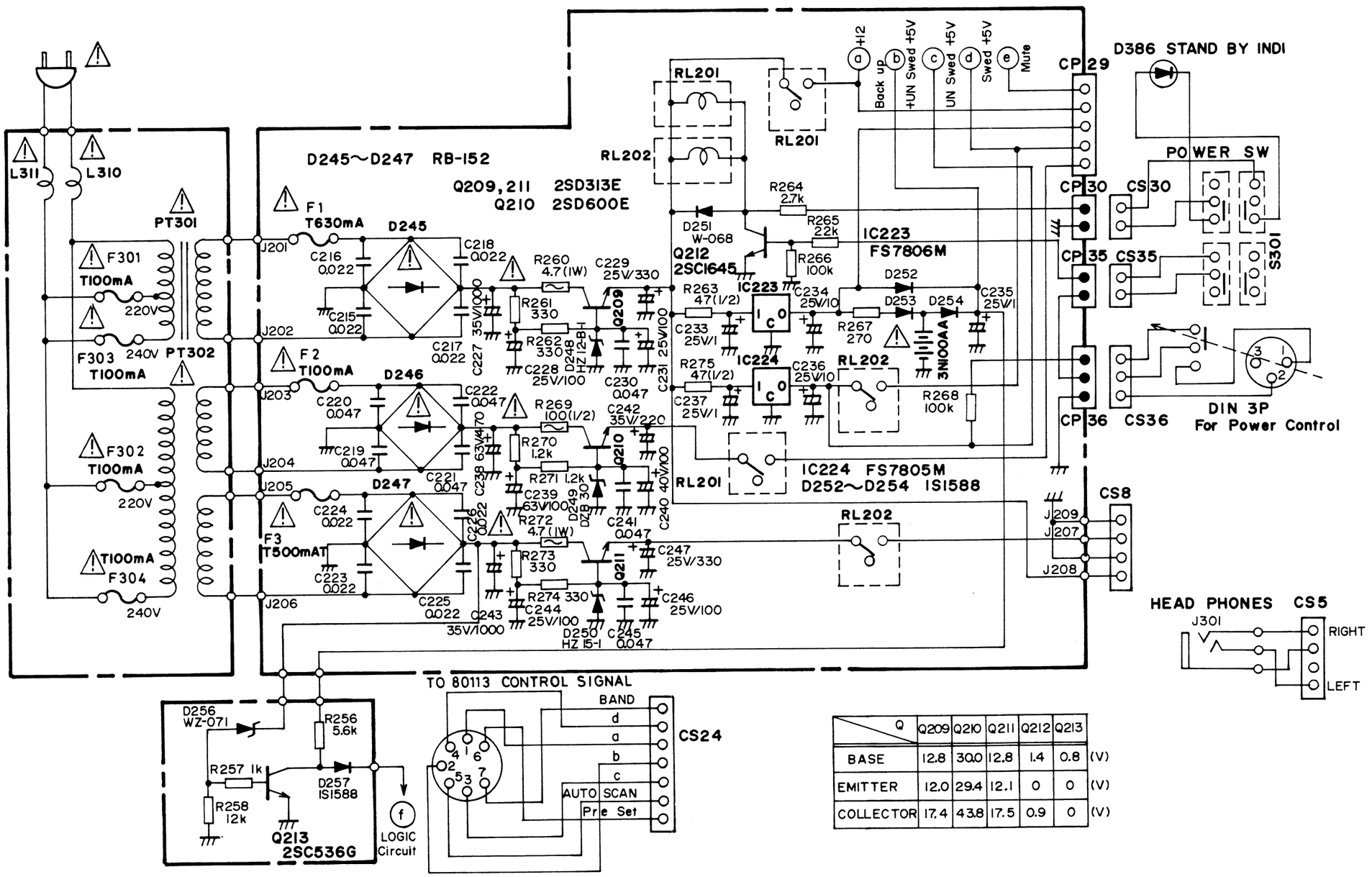
SERVICE-INFORMATION ①

SYNTHESIZER TUNER
HIFI 8063

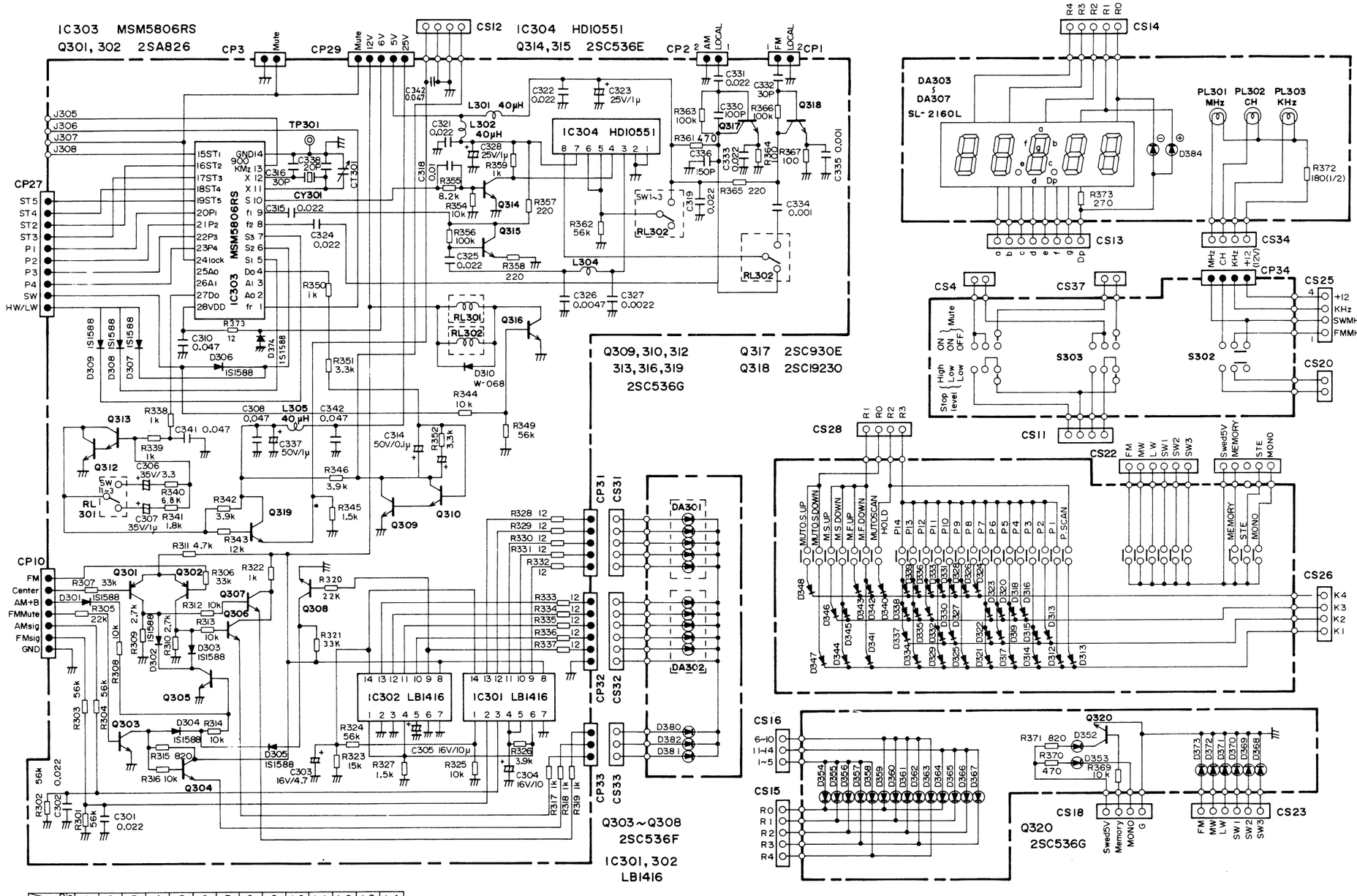
ITT

SERVICE-INFORMATION ①

SYNTHESIZER TUNER
HIFI 8063



Q	Q209	Q210	Q211	Q212	Q213	
BASE	12.8	30.0	12.8	1.4	0.8	(V)
EMITTER	12.0	29.4	12.1	0	0	(V)
COLLECTOR	17.4	43.8	17.5	0.9	0	(V)



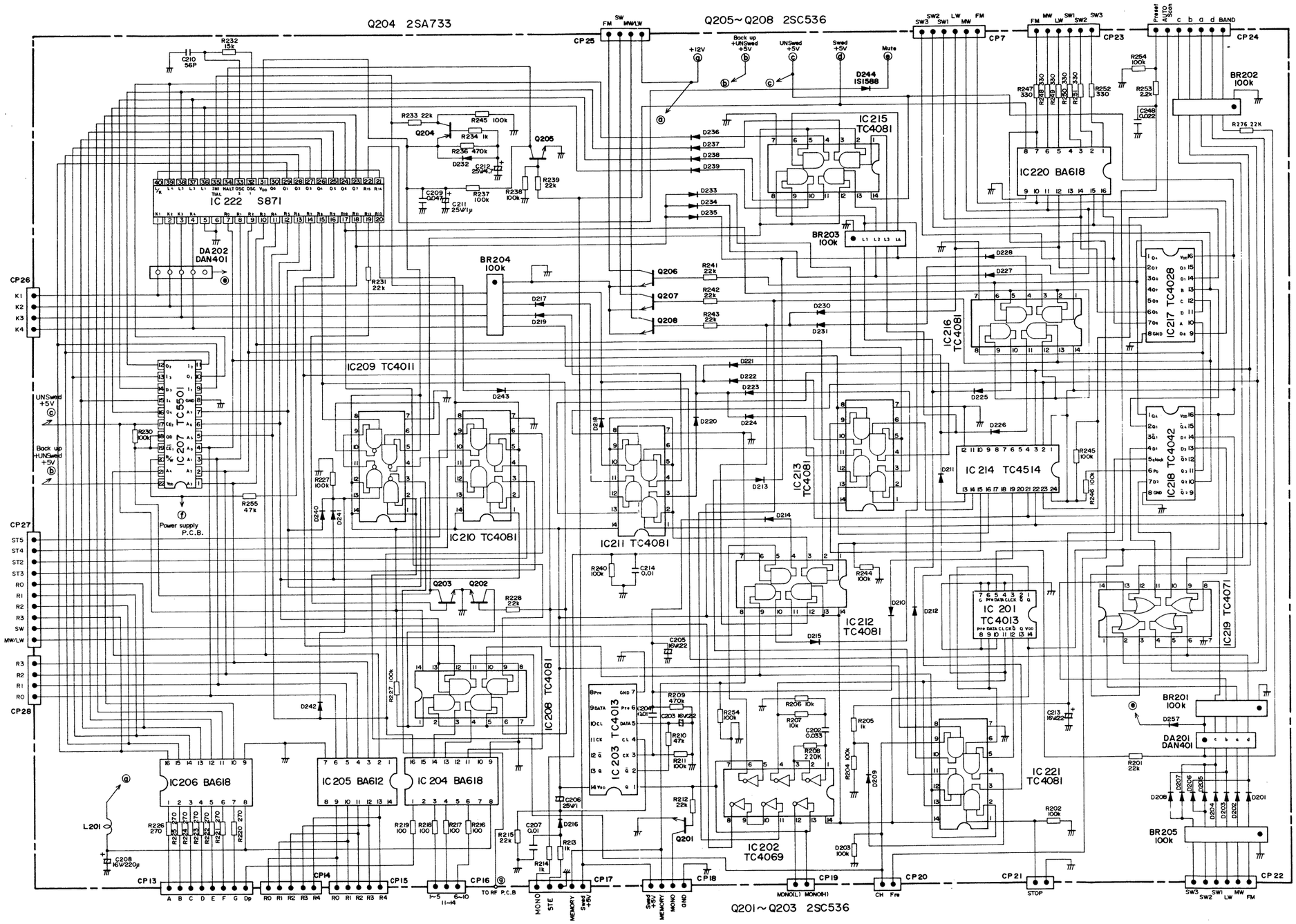
IC \ Pin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	
IC301	0	0	0	2.7	2.7	0.8	0	12.2	0	0	0	0	0	0	(V)
IC302	0.8	0	0	0.8	0	0	0	12.2	0	0	0	0	0	0	(V)
IC304	0	0	0.9	0(4.9)	0(4.9)	0	4.9	2.8							(V)

( ) shows the voltage of SW Function

Q	Q301	Q302	Q303	Q304	Q305	Q306	Q307	Q308	
BASE	6.9	5.8	0.7	0	0.7	0.6	0.2	0	(V)
EMITTER	6.5	6.8	0	0	0	0.6	0.2	0	(V)
COLLECTOR	0	0	0	12.2	0	12.2	12.2	3.8	(V)

Q	Q314	Q315	Q316	Q317	Q318	
BASE	1.62	0.7	0(0.8)	1.0	1.0	(V)
EMITTER	1.0	0	0	0.3	0.3	(V)
COLLECTOR	3.9	0	12.2(0)	3.4	4.3	(V)

( ) shows the voltage of SW Function


Q204 2SA733
Q205~Q208 2SC536
Q201~Q203 2SC536
CP25
CP7
CP23
CP24
CP26
CP27
CP28
CP13
CP14
CP15
CP16
CP17
CP18
CP19
CP20
CP21
CP22
IC 222 S871
IC209 TC4011
IC207 TC5501
IC210 TC4081
IC211 TC4081
IC208 TC4081
IC206 BA618
IC205 BA612
IC204 BA618
IC203 TC4013
IC202 TC4069
IC212 TC4081
IC213 TC4081
IC214 TC4514
IC215 TC4081
IC216 TC4081
IC217 TC4028
IC218 TC4042
IC219 TC4077
IC220 BA618
IC221 TC4081
IC 201 TC4013
DA202 DAN401
DA201 DAN401
BR202 100k
BR203 100k
BR204 100k
BR205 100k
BR201 100k
D244 IS1588
Power supply P.C.B.
TO RF P.C.B
+12V
Back up +UNSwed +5V
UNSwed +5V
Swed +5V
Mute
FM
SW
MW/LW
SW2 SW1 LW MW FM
FM MW LW SW1 SW2 SW3
Preset AUTO Scan
c b a d BAND
MONO
STE
MEMORY
Swed +5V
MONO(L) MONO(H)
CH Fre
STOP
SW3 SW2 SW1 LW MW FM
L201
C208 16V/220µ
C210 56P
C211 25V/1µ
C212 25V/1
C213 16V/22
C214 0.01
C205 16V/22
C206 25V/1
C207 0.01
C209 0.047
C202 0.033
C203 16V/22
C204 30P
R232 15k
R233 22k
R234 1k
R235 470k
R236 470k
R237 100k
R238 100k
R239 22k
R240 100k
R241 22k
R242 22k
R243 22k
R244 100k
R245 100k
R246 100k
R247 330
R248 330
R249 330
R250 330
R251 330
R252 330
R253 2.2k
R254 100k
R255 47k
R276 22k
R201 22k
R202 100k
R203 100k
R204 100k
R205 1k
R206 10k
R207 10k
R208 220k
R209 470k
R210 47k
R211 100k
R212 22k
R213 1k
R214 1k
R215 22k
R216 100
R217 100
R218 100
R219 100
R220 270
R221 270
R222 270
R223 270
R224 270
R225 270
R226 270
R227 100k
R228 22k
R230 100k
R231 22k
R255 47k
D201
D202
D203
D204
D205
D206
D207
D208
D209
D210
D211
D212
D213
D214
D215
D216
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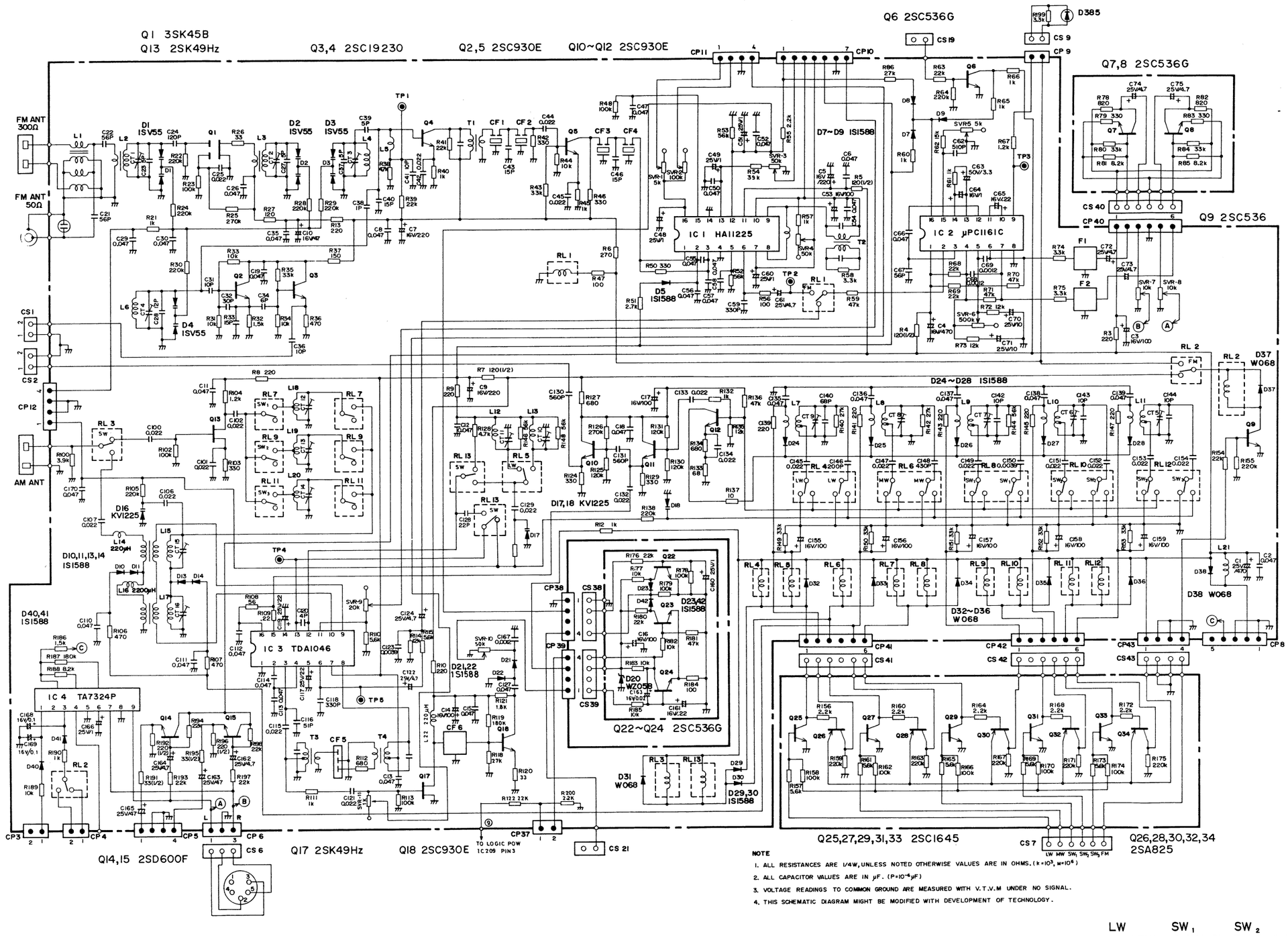
D228
D230
D231
D232
D233
D234
D235
D236
D237
D238
D239
D240
D241
D242
D243
D257
Q201
Q202
Q203
Q205
Q206
Q207
Q208
Back up +UNSwed +5V
UNSwed +5V
Swed +5V
Mute
A B C D E F G Dp
R0 R1 R2 R3 R4
1~5 6~10 11~14
ST5 ST4 ST2 ST3 R0 R1 R2 R3 SW MW/LW R3 R2 R1 R0
K1 K2 K3 K4
SW3 SW2 SW1 LW MW FM

Schaltbild/Schematic Diagram/Schema Theorique



NOTE

1. ALL RESISTANCES ARE 1/4W, UNLESS NOTED OTHERWISE VALUES ARE IN OHMS. (k=10^3, M=10^6)
2. ALL CAPACITOR VALUES ARE IN μF. (P=10^{-6}μF)
3. VOLTAGE READINGS TO COMMON GROUND ARE MEASURED WITH V.T.V.M UNDER NO SIGNAL.
4. THIS SCHEMATIC DIAGRAM MIGHT BE MODIFIED WITH DEVELOPMENT OF TECHNOLOGY.

FM FUNCTION (STE)(MONO)

	Q_1		Q_2	Q_3	Q_4	Q_5	Q_6	Q_6	Q_7	Q_8	Q_9
G_1	0	B	4.1	1.8	1.2	2.0	0.7	0	2.2	2.2	0.75
G_2	1.6	E	3.5	1.1	0.5	1.4	0	0	1.5	1.5	0
S	0	C	8.4	8.4	7.1	8.8	0	12.7	7.7	7.7	1.0
D	5.7										

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IC1	2.0	2.0	2.0	0	0	5.8	7.0	5.7	5.7	5.7	11.0	4.2	2.1	0	4.9	4.2
IC2	11.3	2.3	5.5	9.0	9.0	4.4	4.4	0	13.3	2.3	2.3	2.3	2.3	2.3	3.4	2.3

MW FUNCTION

	Q_{10}	Q_{11}	Q_{12}	Q_{14}	Q_{15}	Q_{18}	Q_{22}	Q_{23}	Q_{24}	Q_{27}	Q_{28}
B	1.33	2.35	1.67	8.8	8.8	0.9	0.64	0.67	0	1.4	12.6
E	0.66	1.64	1.12	9.0	9.0	0	0	0	0	0	13.4
C	8.62	8.62	12.43	13.5	13.5	4.0	0	0	2.46	0.8	13.3

	Q_{13}	Q_{17}
G	0	0
S	0.5	0
D	8.4	12.4

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
IC3	0	2.9	2.9	2.9	0.4	0.7	10.4	10.4	1.9	1.9	0	10.3	4.0	0	3.3	3.3
IC4	1.3	3.1	1.7	1.6	0	1.8	0	0	0							

LW FUNCTION

	Q_{25}	Q_{26}
B	1.4	12.7
E	0	13.5
C	0.7	13.4

SW_1 FUNCTION

	Q_{29}	Q_{30}
B	1.4	12.9
E	0	13.6
C	0.7	13.6

SW_2 FUNCTION

	Q_{31}	Q_{32}
B	1.4	12.9
E	0	13.6
C	0.7	13.6

SW_3 FUNCTION

	Q_{33}	Q_{34}
B	1.4	12.9
E	0	13.6
C	0.7	13.6

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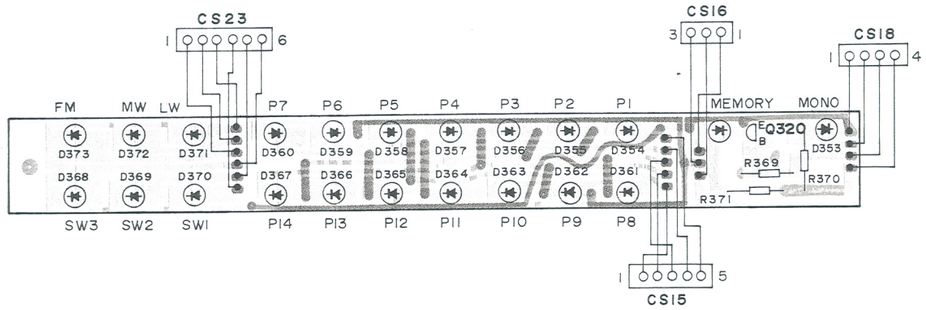
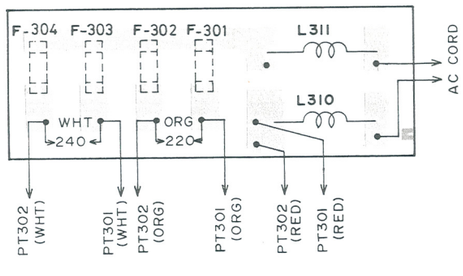
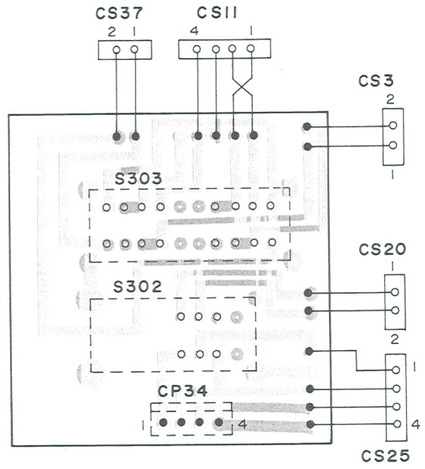
SERVICE-INFORMATION ②

Druckplatte/Printed Board/Circuit Imprime (lötseite/soldered side/cote soudures)



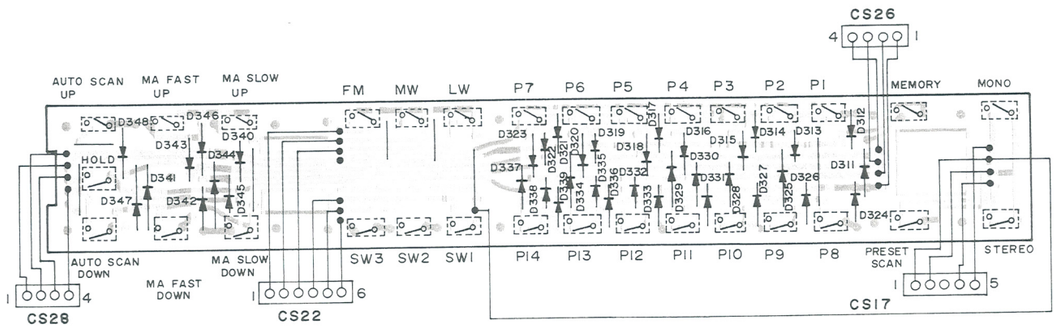
FUNCTION IND. P.C.B.
R-4172733



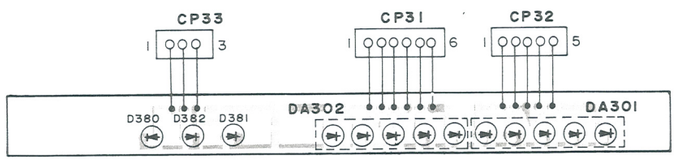


LEVER SWITCH P.C.B.
R-4172734

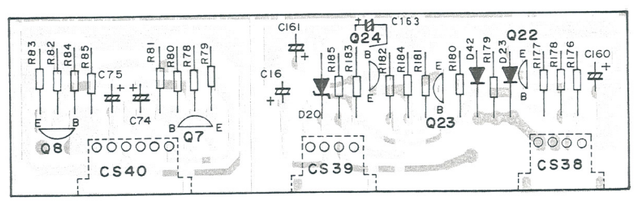
FUSE P.C.B.
R-4172729



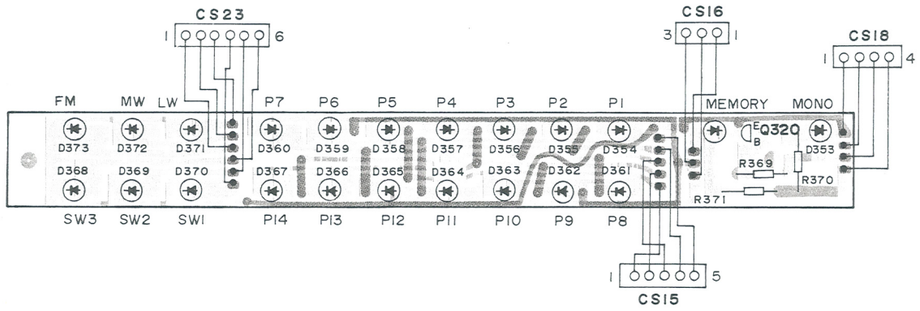
KEYBOARD P.C.B.
R-4172732



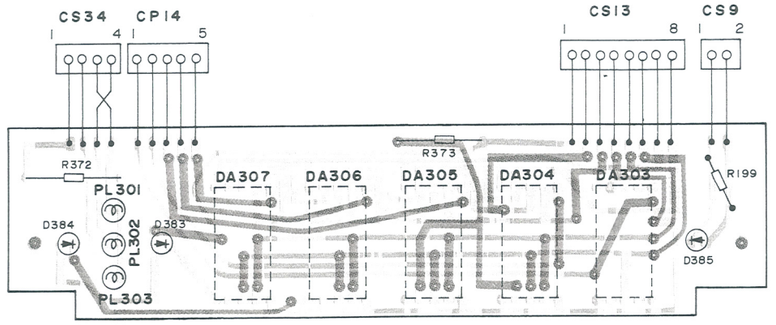
SIGNAL IND. P.C.B.
R-4172731



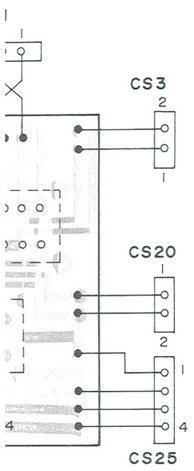
AMP. P.C.B.
R-4172728-3

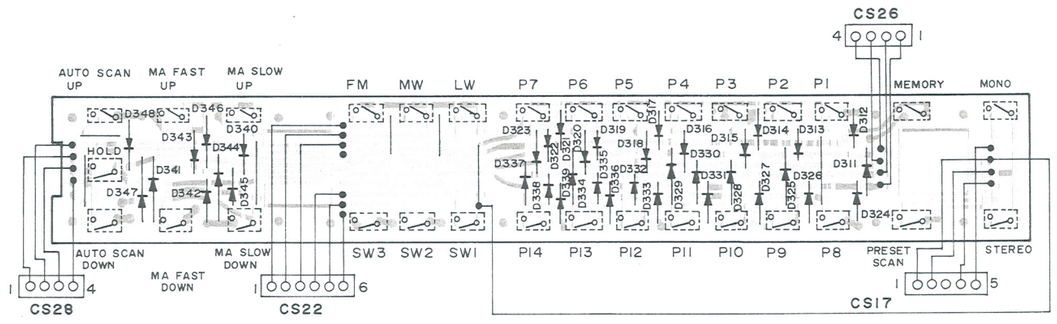


FUNCTION IND. P.C.B.
R-4172733

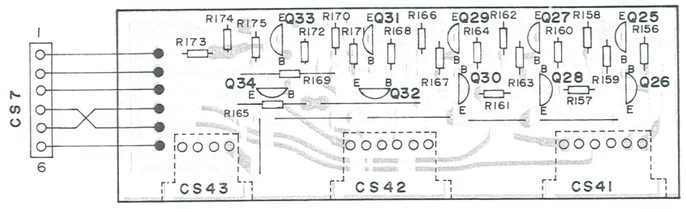


FREQUENCY IND. P.C.B.
R-4172730



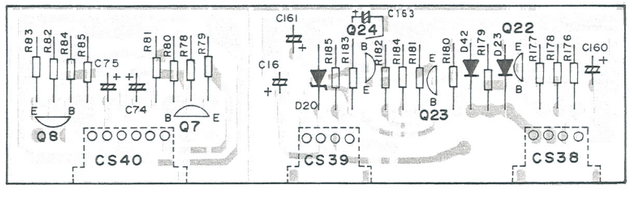


KEYBOARD P.C.B.
R-4172732

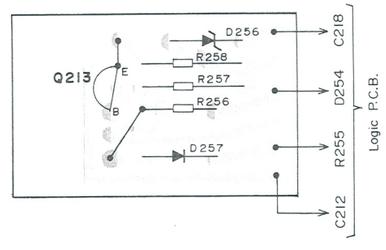


LOCAL DRIVE P.C.B.
R-4172728-2

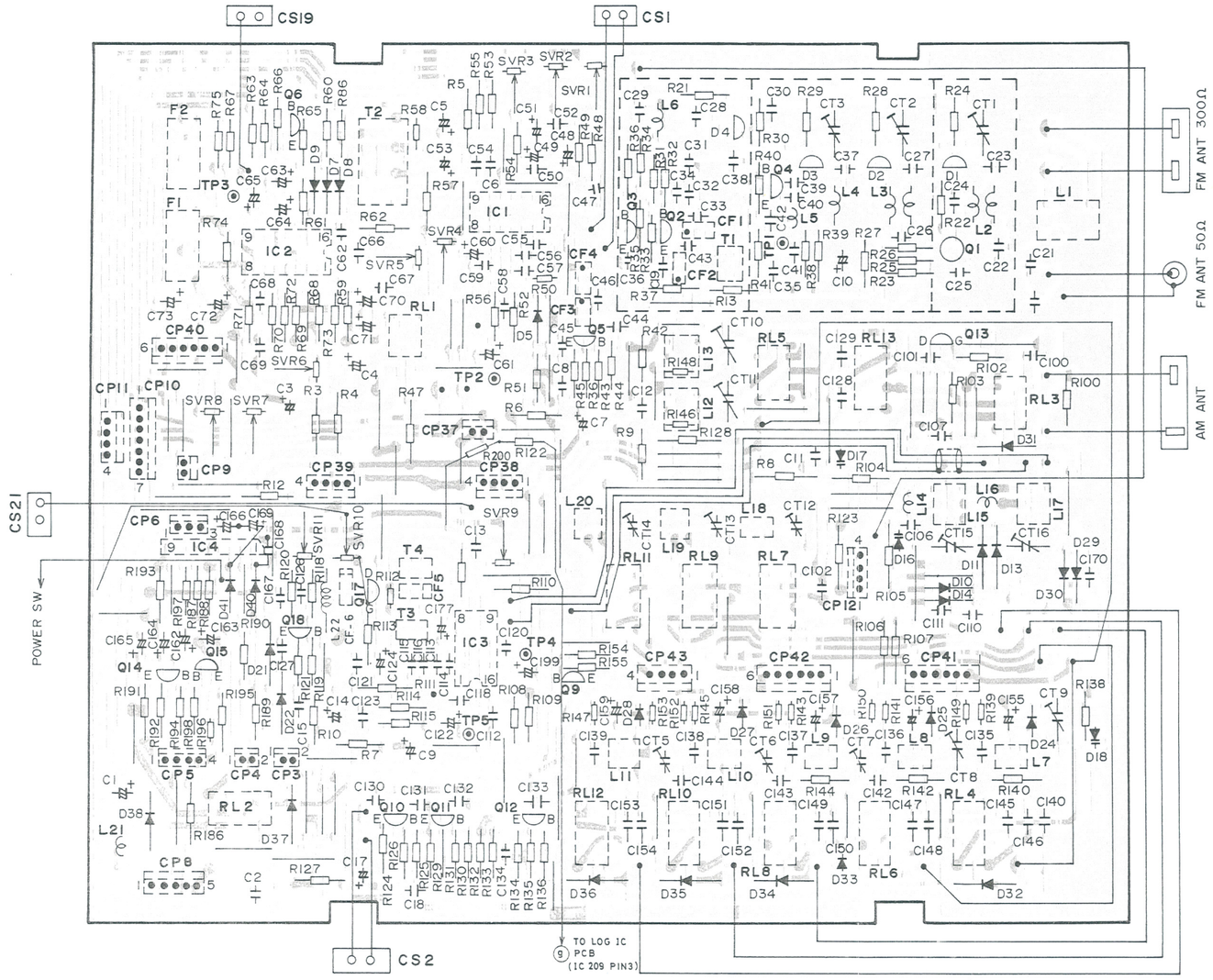
ND. P.C.B.
2731

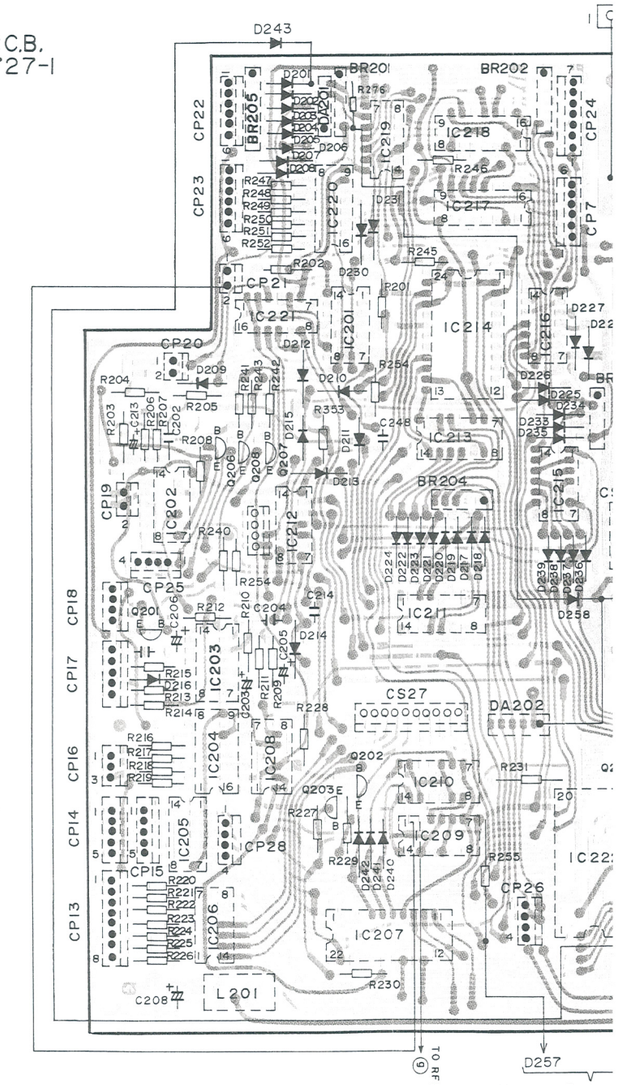


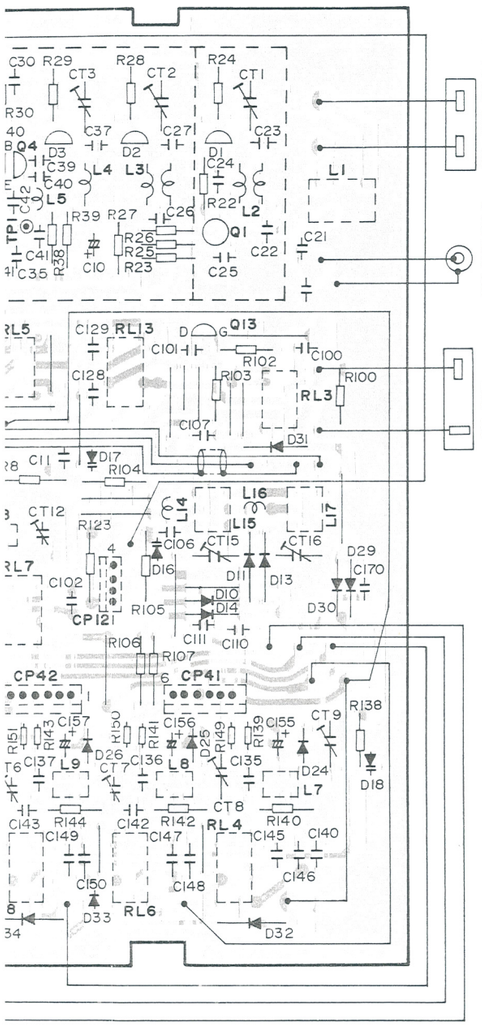
AMP. P.C.B.
R-4172728-3



MEMORY PROTECT P.C.B.
R-4171956

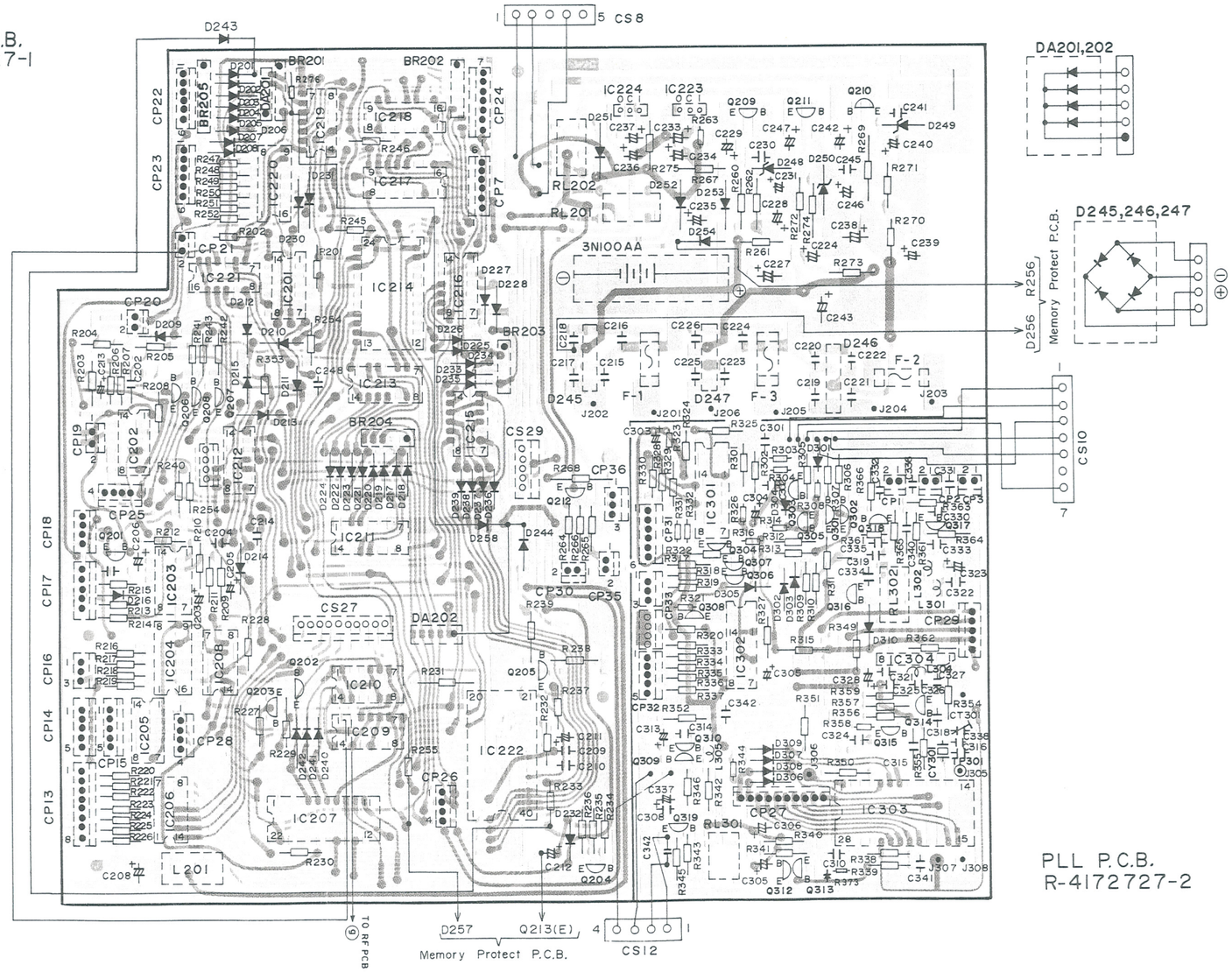

CS19
CS1
CS21
CS2
POWER SW
FM ANT 300Ω
FM ANT 50Ω
AM ANT
TO LOG IC PCB (IC 209 PIN3)
TUNER P.C.B.
R-4172726


LOGIC P.C.B.
R-4172727-1
TO RF PCB
Memory Protect



TUNER P.C.B.
R-4172726

LOGIC P.C.B.
R-4172727-1



PLL P.C.B.
R-4172727-2

Änderungen vorbehalten / Modifications reserved / Sous reserve de modifications